

## **WATER QUALITY TECHNICIAN II**

### **DEFINITION**

Under general supervision, performs all duties relating to water quality, including water quality sampling and cross connection control programs; operation of water treatment facilities; maintains system flushing program; responds to customer water quality inquiries; installs, maintains, exercises, tests, and repairs valves and hydrants; and performs related work, as required.

### **DISTINGUISHING CHARACTERISTICS**

This position works under the general supervision of the Water Quality Supervisor, while following established policies, procedures, and regulations. This class is distinguished from Water Quality Technician I by skill level, complexity of tasks performed, and degree of responsibility.

### **ESSENTIAL DUTIES AND RESPONSIBILITIES**

Leads water quality crew; installs, maintains, exercises, tests, and repairs valves, air-vacs, and hydrants; maintains daily and weekly work logs and maintenance files; performs duties related to hydrant inspections and operation of water treatment plants, including monitoring compliance with water treatment standards and reporting; reports service interruptions or shutdowns; uses independent judgment when making decisions regarding utilization of staff and equipment; responds to customer water quality inquiries; maintains system flushing program; tests backflow assemblies, as required; performs duties related to cross connection control program in compliance with all regulations, including maintaining files, conducting on-site inspections, completing test notification and follow-up requirements; performs duties related to water quality sampling program in compliance with all regulations, including collecting water quality samples from wells and distribution system; reviews analytical data to determine compliance with water quality standards and maximum contaminant levels (MCLs); operates and maintains equipment such as trucks, air compressors, jackhammers, and a variety of power and hand tools; performs a variety of related welding, carpentry, pipe fitting, valve repair, asphalt work, and cement work; initiates purchase requisitions for materials and supplies; coordinates all work-related activity with Water Quality Supervisor; adheres to safety standards as prescribed in the *Injury and Illness Prevention Plan*; participates in emergency call, stand-by duty on a rotation basis as required; utilizes computer software programs competently; communicates effectively, both orally and in writing; routinely adheres to and maintains a positive attitude; maintains effective work relationships with supervisor, fellow City employees, customers, and outside agencies; operates vehicles and equipment in a safe and efficient manner; and performs related duties and responsibilities, as required.

### **EMPLOYMENT STANDARDS**

**Training & Experience** - Graduation from high school, or GED equivalent, and a minimum of two years of experience in a water systems maintenance position.

**Knowledge & Abilities - Knowledge of:** Water quality sampling techniques; water distribution systems related to valves and hydrants; water treatment regulations, especially relating to arsenic; pipefitting, asphalt, and concrete work; tools and equipment used in the installation, maintenance, and repair of water valves, hydrants, and related water services; equipment operation, maintenance, and repair principles and practices; safety precautions and procedures used in water service work; and cross connection control regulations.

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**Ability to:** Perform a variety of tasks associated with water quality sampling and cross connection control; repair, install, and maintain water hydrants and valves; operate power-driven equipment used in valve preventative maintenance work; monitor compliance with water treatment regulations, especially relating to arsenic; perform a variety of skilled water system maintenance work; read and interpret plans, drawings, and specifications; assist in training and leading the work of the water quality crew; coordinate and perform the more skilled, difficult, and responsible tasks related to valve repair and maintenance duties; interface and communicate effectively with other departments within the City; effectively present instructions and information in writing and verbally to coworkers, the general public, and outside agencies; use patience, tact, diplomacy, and courtesy in dealing with the public and employees; routinely adhere to and maintain a positive attitude; establish and maintain effective working relationships with those contacted in the course of work, including City and other government officials, community groups, and the general public; apply safe work practices; and operate vehicles and equipment in a safe and efficient manner.

**Licenses & Certificates** - Must possess a valid, unrestricted Class "C" California driver's license. May be required to obtain a Class "A" California driver's license within 12 months of hire. Must possess a California Department of Health Services Water Distribution Operator Grade 3 Certificate and a Water Treatment Operator Grade 2 Certificate. Must have ability to obtain a San Bernardino County Backflow Tester Certificate within 18 months of appointment to the position.

### WORKING CONDITIONS

Work is performed in an outdoor environment. Incumbent shall be exposed to those conditions normally encountered in an outdoor environment. Physical demands consist of sitting, standing, walking, stooping, kneeling, crouching, and crawling; using hands and fingers to handle or feel objects, tools, or controls; and lifting and carrying moderately heavy objects up to 100 pounds and/or utilizing a hand dolly to move up to 160 pounds. Incumbent frequently works near moving mechanical parts, occasionally works in high, precarious places, and can be exposed to electrical shock. Incumbent wears personal protection-protective footwear. Incumbent must be able to see and hear in the normal range, with or without correction, and communicate verbally and in written form with great facility, and must be able to be understood. Incumbent must have the stamina to work long hours and overtime, if assigned, and must be willing to work an irregular schedule, which may include weekends, holidays, evenings, and/or varying shifts.

APPROVED: *Diana M. Ramsey*  
DIRECTOR OF HUMAN RESOURCES

DATE: August 11, 2008

Class specifications are only intended to present a descriptive summary of the range of duties and responsibilities associated with specified positions. Therefore, specifications may not include all duties performed by individuals within a classification. In addition, specifications are intended to outline the minimum qualifications necessary for entry into the class and do not necessarily convey the qualifications of incumbents within the position.  
Shared/jobdescriptions (Final)/WaterDistrict/Water Quality Technician II/08/11/08/jlr